

Fig. 1A

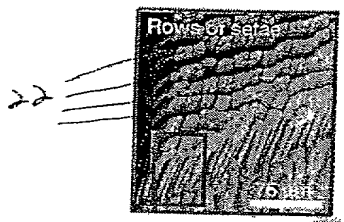


Fig. 1B

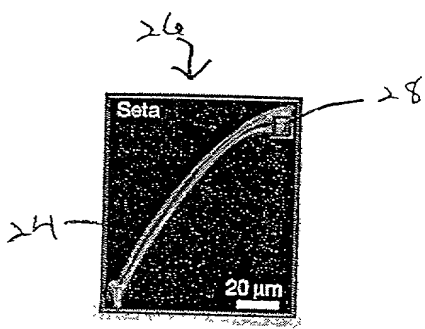


Fig. 1C

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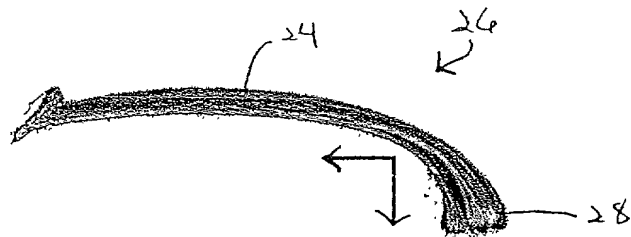
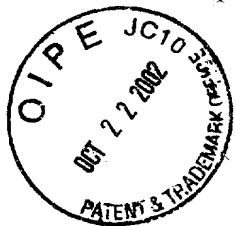


Fig. 1D

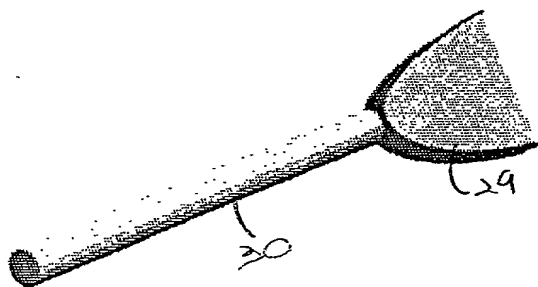


Fig. 1E

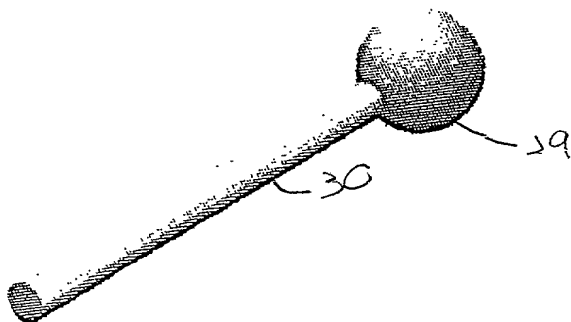


Fig. 1F

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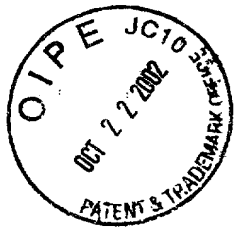


Fig. 16

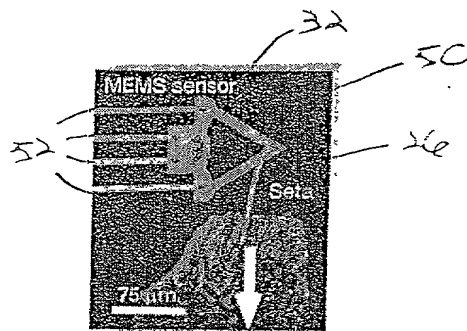


Fig. 1H

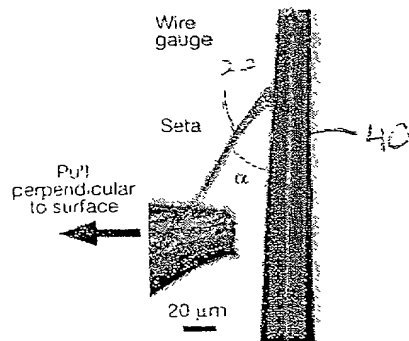


Fig. I

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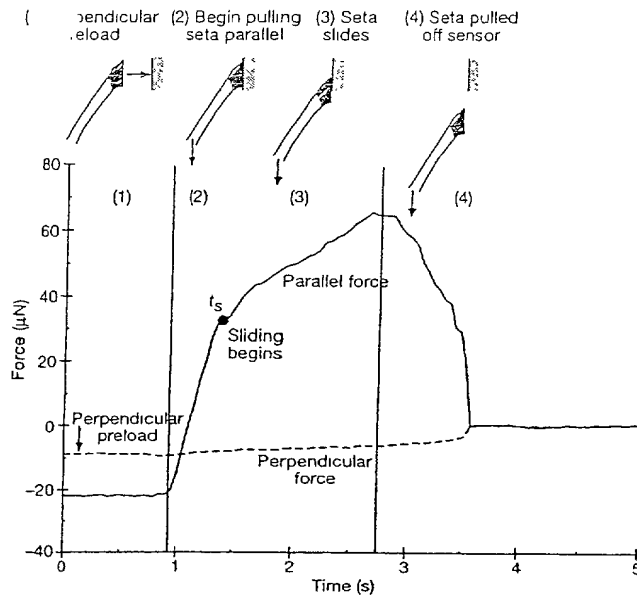
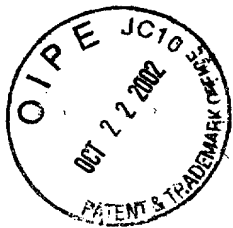


Fig. 2A

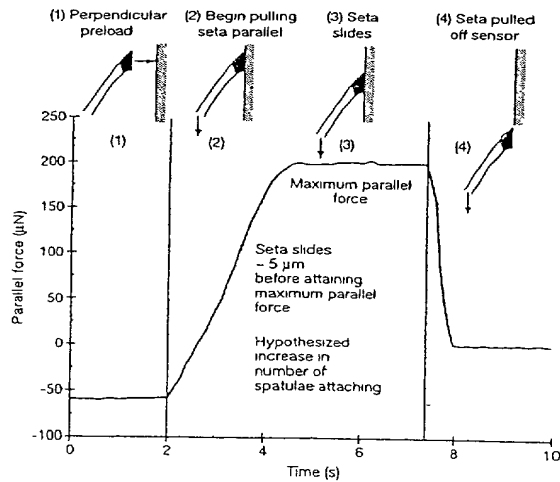


Fig. 2B

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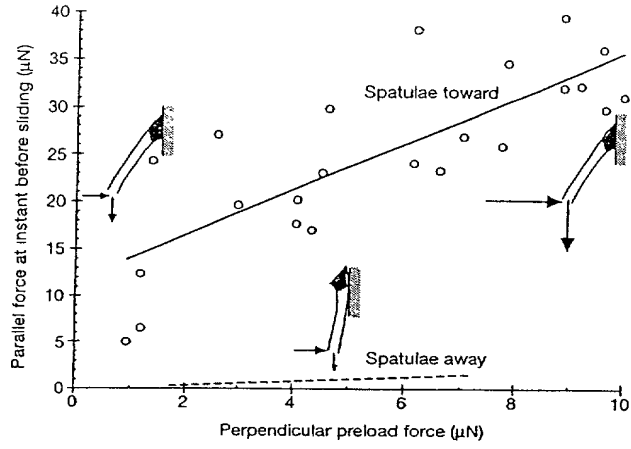
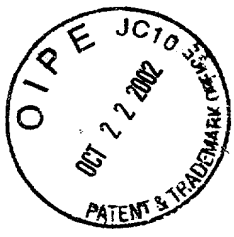


Fig. 3

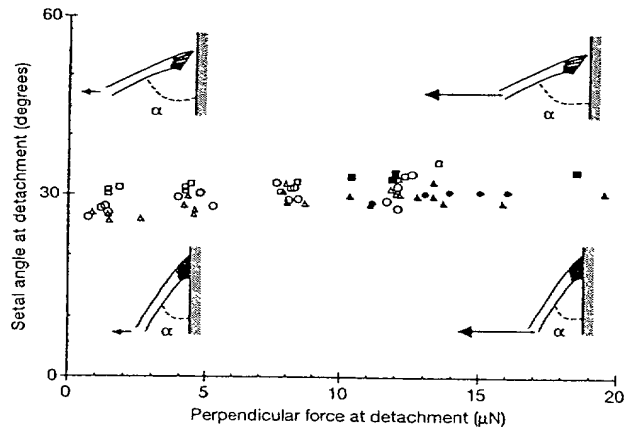


Fig. 4

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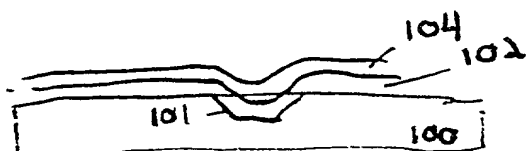
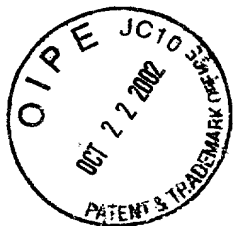


Fig. 5A

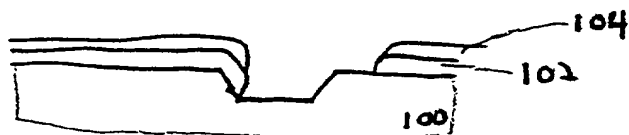


Fig. 5B

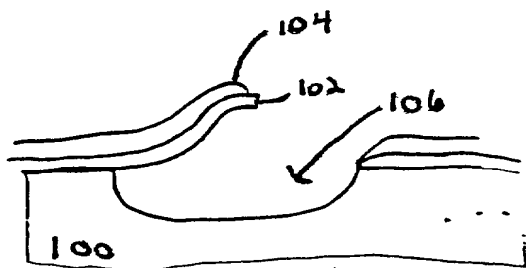


Fig. 5C

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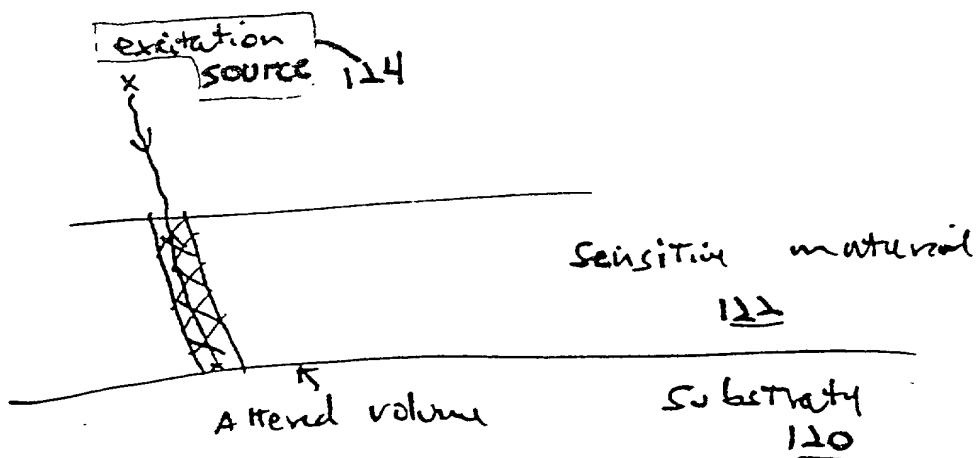
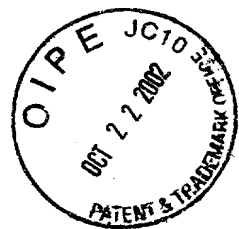


Fig 6A

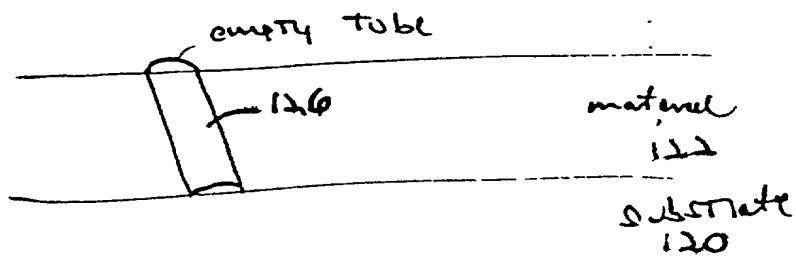


Fig. 6B

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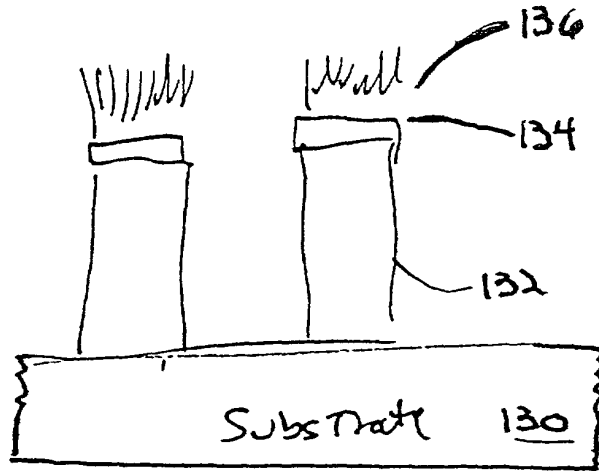
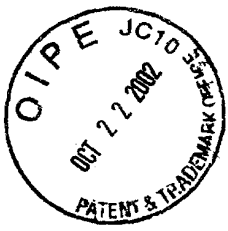


Fig. 7

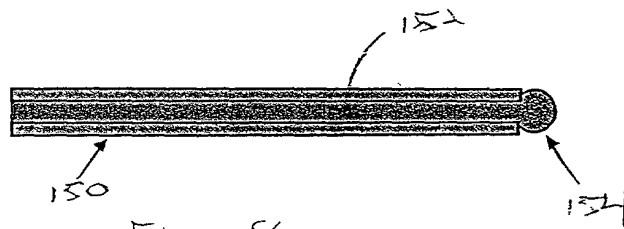


Fig. 8

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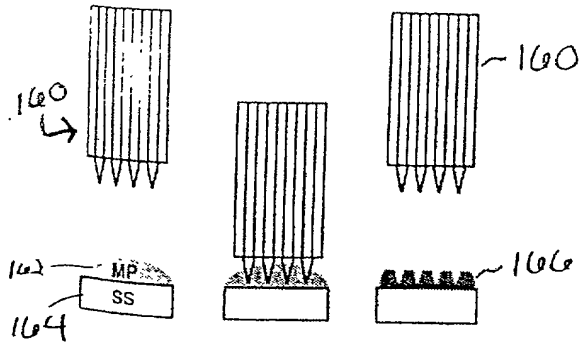
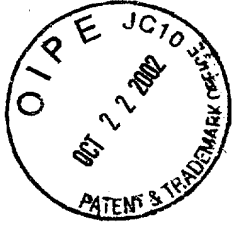


Fig. 9

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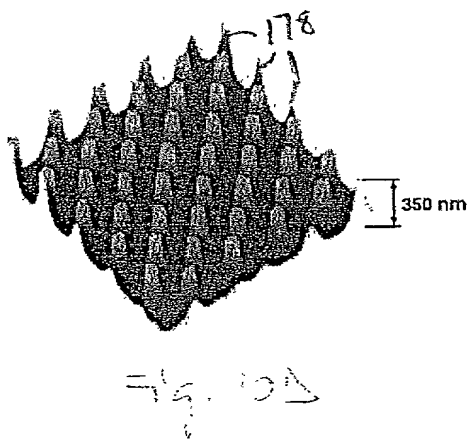
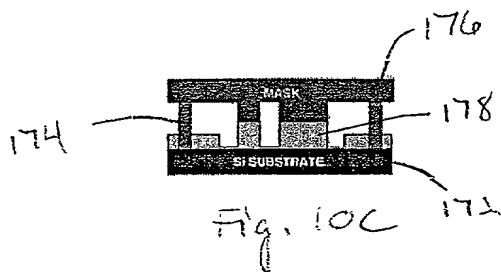
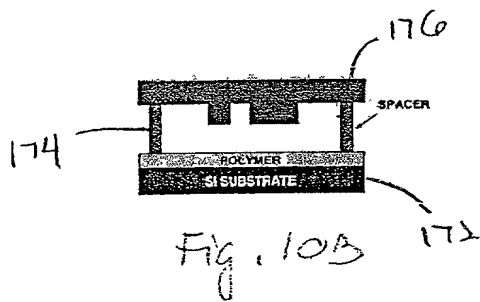
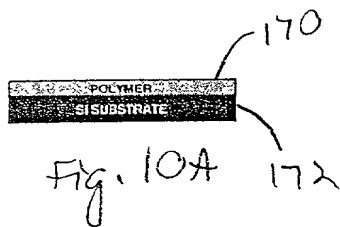


FIG. 10D
 350 nm
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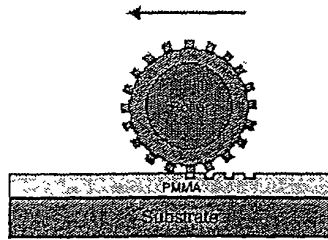
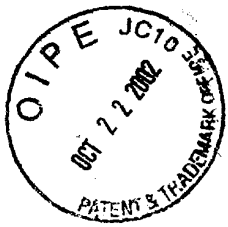


Fig. 11A

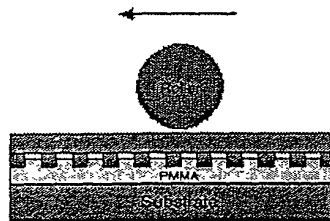


Fig. 11B

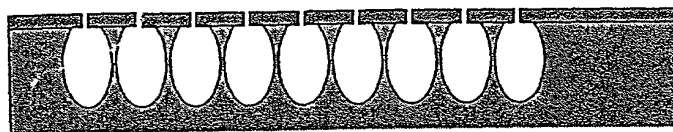


Fig. 12

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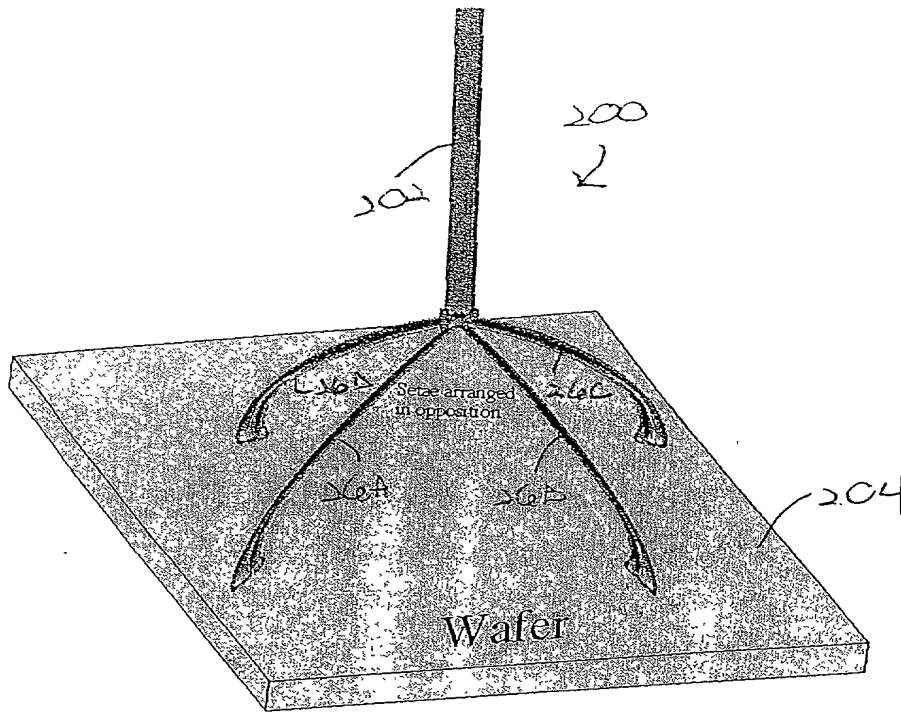
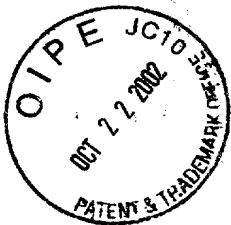
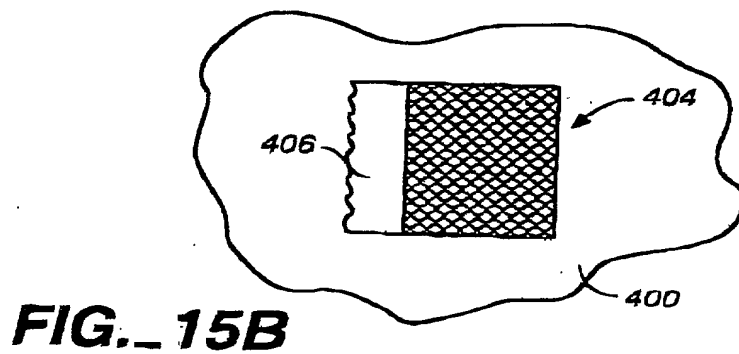
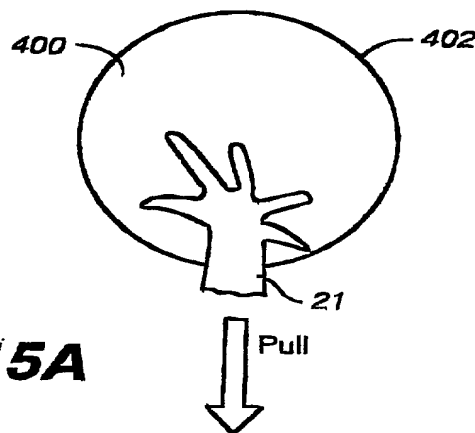
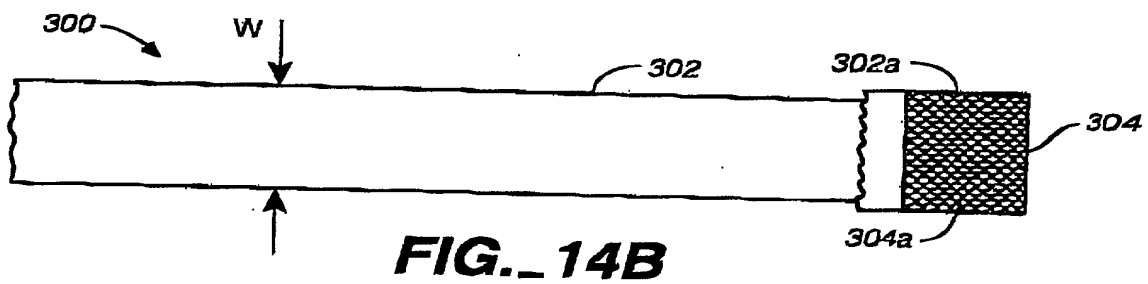
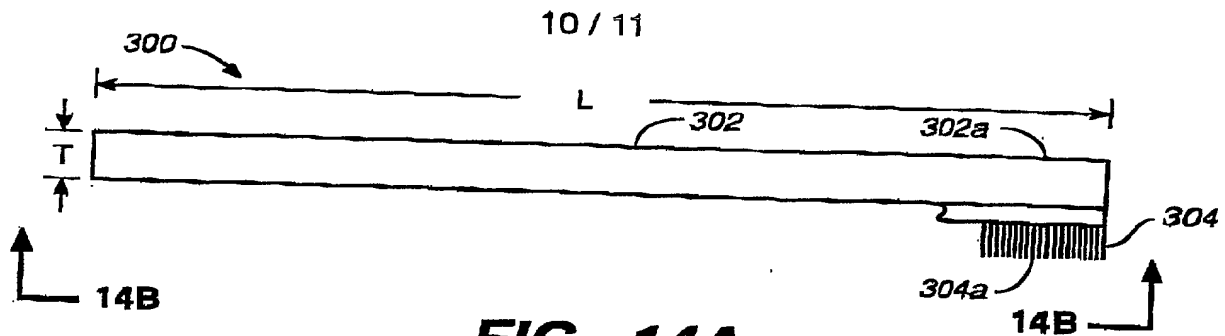
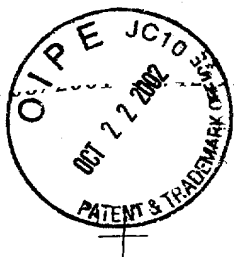


Fig. 13

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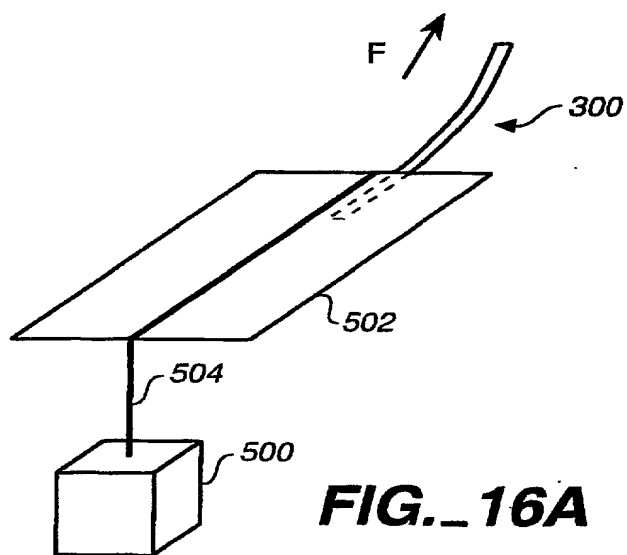


FIG. 16A

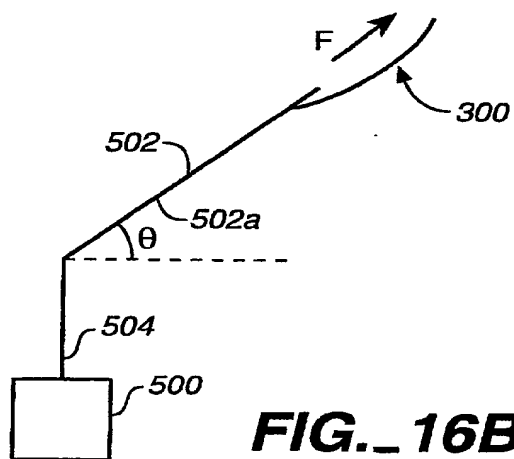


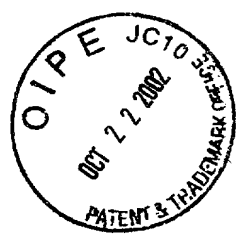
FIG. 16B

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Array is Preloaded	Static Force Builds	Array slides- kinetic friction	Pull ends, force decreases as array is separated from the force plate
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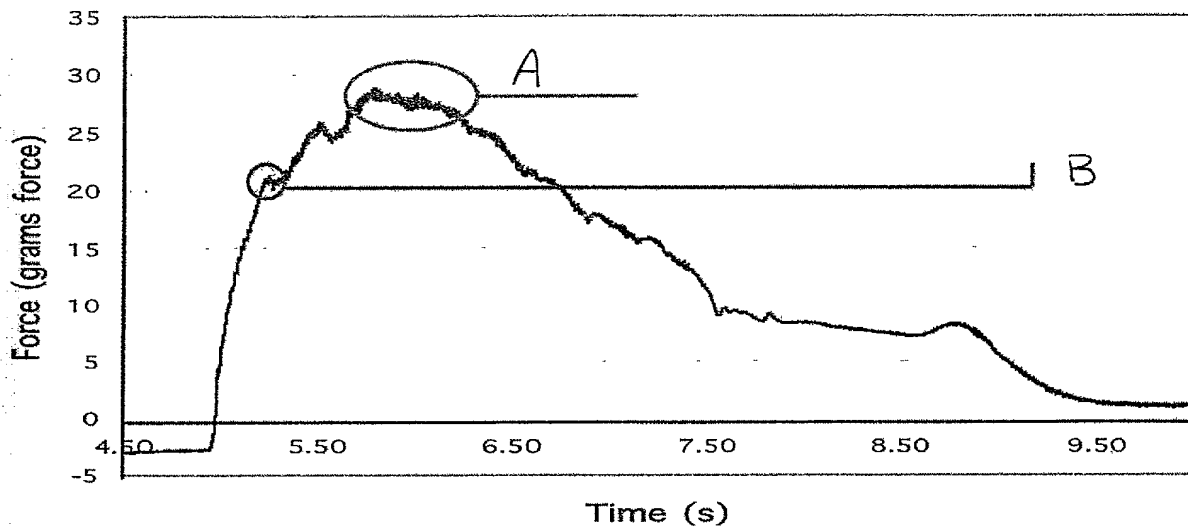
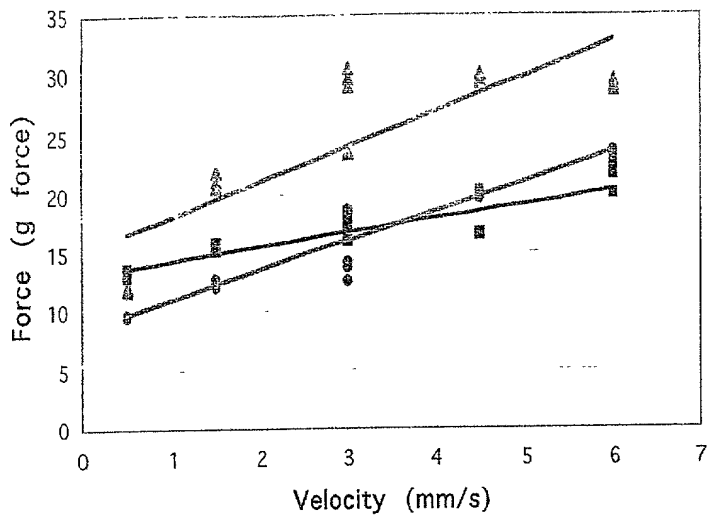
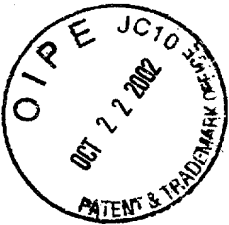


FIG. 17

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Force-Velocity
regression
 R^2 : 0.7 to 0.9
 $P < 0.0001$

△ Array 7317
■ Array 7318
● Array 8095

FIG. 18

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